

NEW ABSTRACT

A method of recording an encoded bit stream that represents video objects includes recording a collection of contiguously arranged video objects and management information about recorded video objects. The collection is partitioned into adjacent recordings that represent playable titles, where a playable title is defined as a playback sequence of all complete cells or a subset of complete cells of a recording in the order of allocation within the video object storage area on the disc. The method further includes generating a title list of titles sorted in the order of arrangement within the video object area on the disc. The method further includes defining a free space title that represents free space within the video object area and includes the free space title in the title list.